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Attorney Docket No.: HEIN 13.968

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor : Kari KIRJAVAINEN, et al.
Serial No. :
Filed : January 11, 2001
Title : **DIELECTRIC CELLULAR ELECTRET FILM
AND PROCEDURE FOR ITS MANUFACTURE**
Examiner :
Group Art Unit :

January 11, 2001

Assistant Commissioner for Patents
BOX PATENT APPLICATION
Washington, D.C. 20231

PRELIMINARY AMENDMENT

S I R :

Prior to examination of the above-identified application and prior to calculation of the filing fee, please amend the application as follows:

IN THE SPECIFICATION

On page 1, line 3, please insert the following:

--CROSS-REFERENCE TO RELATED APPLICATION

This is a continuation-in-part of application number 08/776,868, filed on May 6, 1997.--

IN THE CLAIMS

Please add new claims 22-33 as follows:

--22. Procedure for manufacturing a film of dielectric material self-adhesive by virtue of an electrostatic force, said film at least being capable of setting straight onto a surface, said film containing gas blisters wherein, to improve an adhesive quality of the film, the film is charged by means of an electric DC field intensive enough to produce partial discharges in the gas blisters and to cause the charges to move into the dielectric material of the film, creating a large unipolar charge inside the film.--

--23. Procedure as defined in claim 22, wherein the film is subjected to an AC corona treatment before charging.--

--24. Procedure as defined in claim 23, wherein the adhesion of the film is adjusted by adjusting the intensity of the AC corona treatment or the charging or both.--

--25. The procedure according to claim 22, wherein the intensity of the charging electric DC field is equal to or greater than 100mv/m.--

--26. The procedure according to claim 25, wherein the intensity of the charging electric DC field is in the range of 100-200mv/m.--

--27. A self-adhesive cell type dielectric film, self-adhesive by virtue of an electrostatic force, said cell type film at least being capable of setting straight onto a surface, said cell type film containing flat gas blisters, and said film containing partial discharges inside the film produced in the gas blisters to achieve an adhesive quality of the film.--

--28. A self-adhesive cell type dielectric film according to claim 27, wherein said partial discharges move into the dielectric material of the film, the film is provided with a large internal unipolar charge created by charging the film by means of an electric DC field intensive enough to produce partial discharges in the gas blisters and to cause the charges to move into the dielectric material of the film.--

--29. Film as defined in claim 27, wherein to adjust the adhesion of the film, one or both of its surfaces are subjected to an AC corona treatment before charging.--

--30. Film as defined in claim 27, wherein the film is coated with a adhesive sticky layer.--

--31. Film as defined in claim 27, wherein to increase a net charge created inside the film, the film is doped with charge binding additives.--

--32. Film as defined in claim 27, wherein certain areas of the film contain a positive charge while the other areas have a negative charge.--

--33. Film as defined in claim 31, wherein the charge binding additive is ferrochloride.--

REMARKS

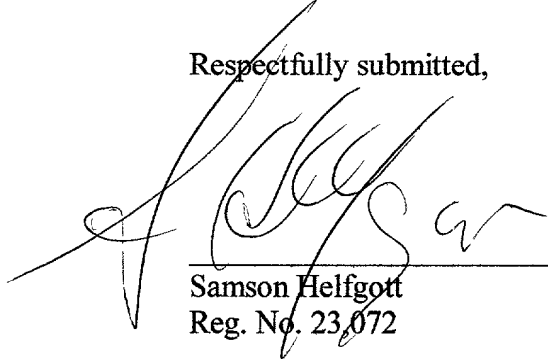
Claims 1-33 are pending in this application, claims 22-33 being newly added by this Preliminary Amendment.

The specification has been amended to include the reference to the application of which this application is a continuation-in-part in order to gain the benefit of the earlier filing date as required by 35 U.S.C. §120.

Newly added claims 22-33 reproduce the claims presently pending in the parent application, except for adjusting the claim dependency to take account of the new claim numbers, in order to continue prosecution of those claims in the present application.

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Respectfully submitted,



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